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(71) Applicant (for all designated States except US): **BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY** [GB/GB]; 81 Newgate Street, London, Greater London EC1A 7AJ (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **HARDWICK, Andrew, John** [GB/GB]; 55 Reading Road, Ipswich Suffolk IP4 4NR (GB).

(74) Agent: **BRADLEY, David, William**; BT Group Legal Intellectual Property Department, PPC5A, BT Centre, 81 Newgate Street, London, Greater London EC1A 7AJ (GB).

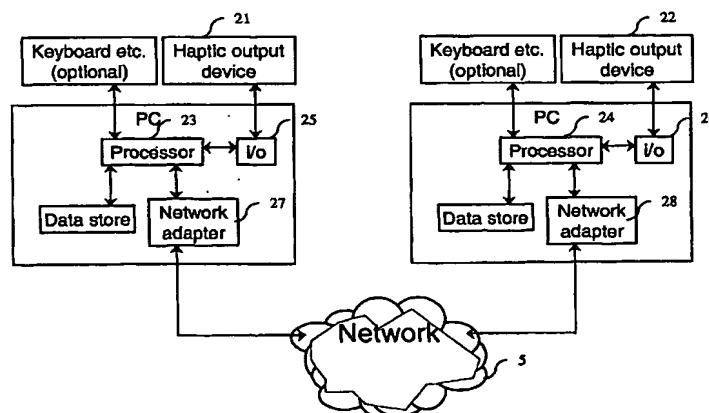
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(54) Title: **HAPTICS TRANSMISSION SYSTEMS**

Hardware



(57) Abstract: In order to overcome the problems arising from network latency in haptic transmission systems a local PC (23, 24) attempts to build a force/position model of a remote haptic device (22, 21) so that when packetised position data is received through the network 5 signals controlling the motors of the local haptic device (21, 22) may be adjusted to reflect a predicted position still to be received. By using a local data model of the remote environment, the prediction may take account of reaction forces from objects/textures being simulated locally.



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